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## WHAT IS CLAIMED IS:

1. An apparatus for eliminating gas bubbles from a syringe, the apparatus comprising:

a syringe having a syringe outlet and a syringe operator; an actuator for moving the syringe operator; a tubing connected to the syringe outlet; and a sensor positioned adjacent the tubing for sensing when g

a sensor positioned adjacent the tubing for sensing when gas bubbles have been eliminated from the tubing.

- 2. The apparatus of Claim 1, wherein the sensor includes a transmitter positioned on one side of the tubing and a receiver positioned on an opposite side of the tubing.
  - 3. The apparatus of Claim 1, wherein a sealing mechanism for sealing the tubing is positioned between the sensor and the syringe outlet for sealing the tubing after the gas bubbles have been eliminated.
- 4. The apparatus of Claim 3, wherein the sealing mechanism is a heat sealing device.
  - 5. The apparatus of Claim 1, wherein the sensor and the actuator are controlled by a control system to advance the syringe operator until the sensor indicates that the gas bubbles have been removed from the tubing.
- 6. The apparatus of Claim 1, further comprising a mechanical knocker

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arranged to impact the syringe to increase the speed at which gas bubbles are dissipated from a fluid in the syringe.

- 7. The apparatus of Claim 6, wherein the mechanical knocker includes an impact member positioned on one side of the syringe and a spring positioned on an opposite side of the syringe.
- 8. The apparatus of Claim 1, wherein the sensor is an ultrasonic sensor.
- 9. An apparatus for conditioning a organic fluid for subsequent use in a medical procedure, the apparatus comprising:

a cabinet having a secure environment for conditioning of a organic fluid;

an input system for transporting a organic fluid charge from a source to the cabinet;

a container removably contained in the secure environment and coupled to the input system to receive the charge;

stressors coupled to the cabinet and positioned for operation to create a conditioned charge in the container;

an output system coupled to the container and including a receiver for the conditioned charge; and

an apparatus sensing when gas bubbles are eliminated from the receiver including a sensor arranged for sensing when gas bubbles have been eliminated from the receiver.

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- 10. The apparatus of Claim 9, wherein the receiver comprises:
  a syringe having a syringe outlet and a syringe operator;
  an actuator for moving the syringe operator; and
  a tubing connected to the syringe outlet.
- 5 11. The apparatus of Claim 10, wherein the sensor is positioned adjacent the tubing for sensing when gas bubbles have been eliminated from the tubing.
  - 12. The apparatus of Claim 10, wherein the sensor includes a transmitter positioned on one side of the tubing and a receiver positioned on an opposite side of the tubing.
  - 13. The apparatus of Claim 12, wherein the sensor is an ultrasonic sensor.
- The apparatus of Claim 11, wherein a sealing mechanism for sealing the tubing is positioned between the sensor and the syringe outlet for
  sealing the tubing after the gas bubbles have been eliminated.
  - 15. The apparatus of Claim 14, wherein the sealing mechanism is a heat sealing device.
    - 16. The apparatus of Claim 11, wherein the ultrasonic sensor and the

actuator are controlled by a control system to advance the syringe operator until the ultrasonic sensor indicates that the gas bubbles have been removed from the tubing.

- The apparatus of Claim 10, further comprising a mechanical
  knocker arranged to impact the syringe to increase the speed at which gas bubbles are dissipated from a fluid in the syringe.
  - 18. The apparatus of Claim 17 wherein the mechanical knocker includes in impact member positioned on one side of the syringe and a spring positioned on an opposite side of the syringe.